

ABSTRACT OF THE DISCLOSURE

The present invention relates to a method of and a burner for generating a flame in a combustion zone of a rotary kiln. The burner comprises at least a burner tube (4) extending into the kiln from outside of the kiln and means (3) for introducing fuel into the burner tube and means for leading primary air via the burner tube into the combustion zone of the kiln. A characteristic feature of the invention is that the burner is connected to a gas turbine (1, 2) via a connecting tube (7) for leading flue gas generated in the gas turbine into the burner tube as primary air.